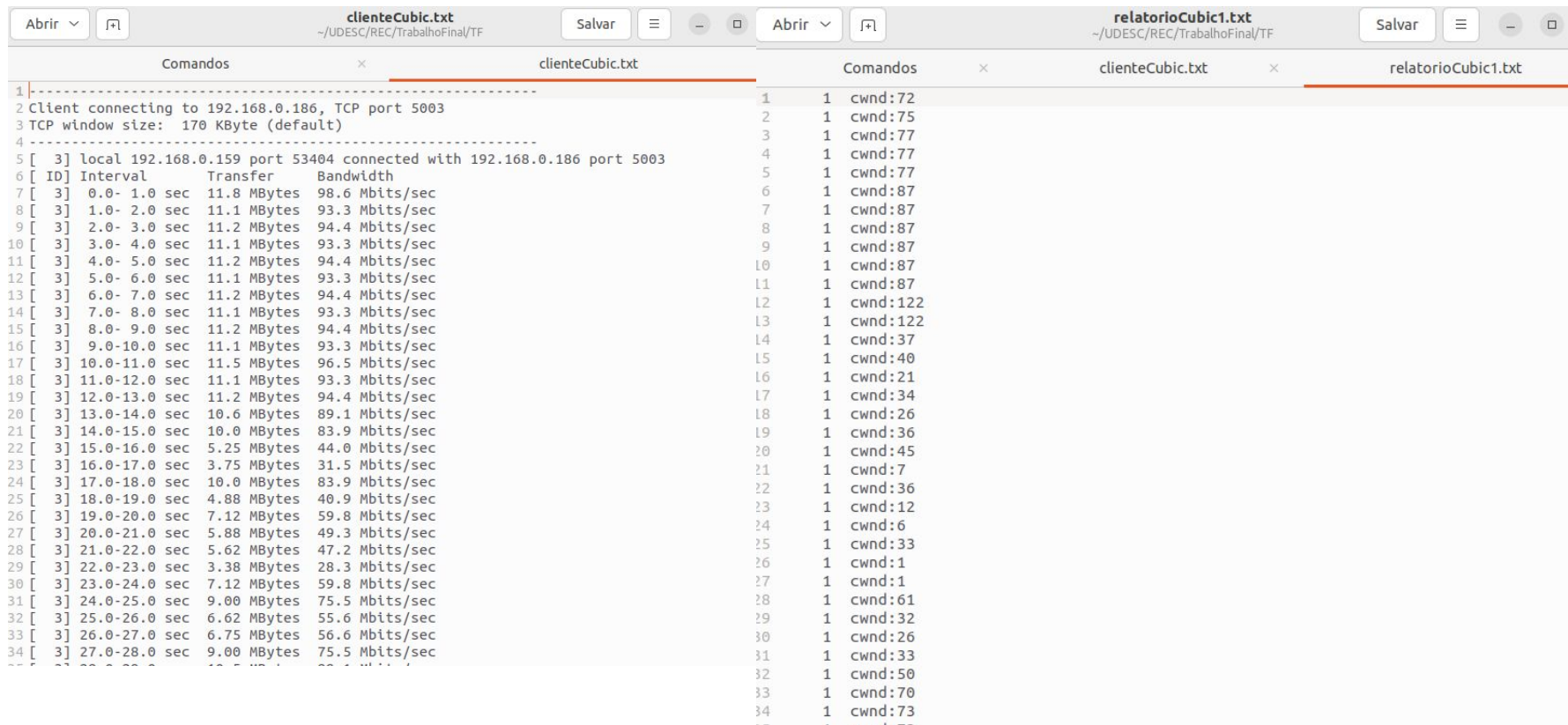


Latência 0:

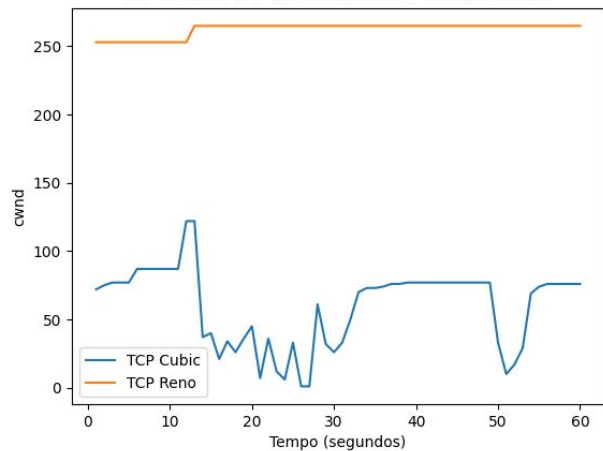
```
s:      iperf -s -u &
c:      iperf -c <ip> -i 1 -p <porta-destino> -u -b 100M &
s:      iperf -s -p 5002 -Z reno
t:      sh getCWND 5002 relatorioReno1.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z reno -b 100M >clienteReno.txt
t:      finaliza o sh
t:      sh getCWND 5002 relatorioReno5.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z reno -P 5 -b 100M>clienteReno5.txt
t:      sh getCWND 5002 relatorioReno10.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z reno -P 10 -b
100M>clienteReno10.txt
t:      finaliza o sh
s:      finaliza o servidor RENO
s:      iperf -s -p 5003 -Z cubic
t:      sh getCWND 5003 relatorioCubic1.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z cubic -b 100M >clienteCubic.txt
t:      finaliza o sh
t:      sh getCWND 5003 relatorioCubic5.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z cubic -P 5 -b 100M
>clienteCubic5.txt
t:      finaliza o sh
t:      sh getCWND 5003 relatorioCubic10.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z cubic -P 10 -b 100M
>clienteCubic10.txt
t:      finaliza o sh
s:      finaliza servidor UDP e TCP
```

Latência 200ms:

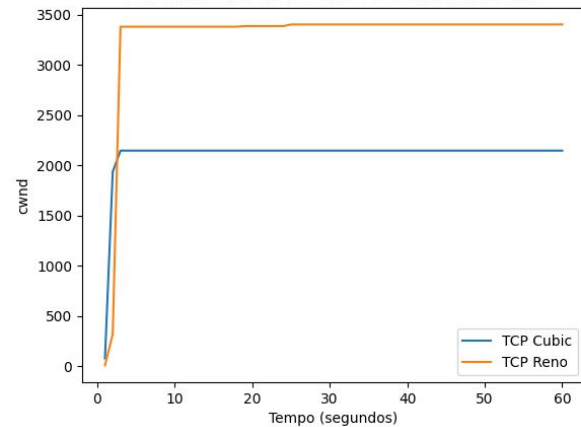
```
s:      sudo tc qdisc add dev <interface> root netem delay 200ms
s:      iperf -s -u &
c:      iperf -c <ip> -i 1 -p <porta-destino> -u -b 100M &
s:      iperf -s -p 5002 -Z reno
t:      sh getCWND 5002 relatorioReno1lat200.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z reno -b 100M
>clienteReno1lat200.txt
t:      finaliza o sh
t:      sh getCWND 5002 relatorioReno5lat200.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z reno -P 5 -b
100M>clienteReno5lat200.txt
t:      sh getCWND 5002 relatorioReno10lat200.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z reno -P 10 -b
100M>clienteReno10lat200.txt
t:      finaliza o sh
s:      finaliza o servidor RENO
s:      iperf -s -p 5003 -Z cubic
t:      sh getCWND 5003 relatorioCubic1lat200.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z cubic -b 100M
>clienteCubic1lat200.txt
t:      finaliza o sh
t:      sh getCWND 5003 relatorioCubic5lat200.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z cubic -P 5 -b 100M
>clienteCubic5lat200.txt
t:      finaliza o sh
t:      sh getCWND 5003 relatorioCubic10lat200.txt
c:      iperf -c <ip> -t 60 -i 1 -p <porta-destino> -Z cubic -P 10 -b 100M
>clienteCubic10lat200.txt
t:      finaliza o sh
s:      finaliza servidor UDP e TCP
```



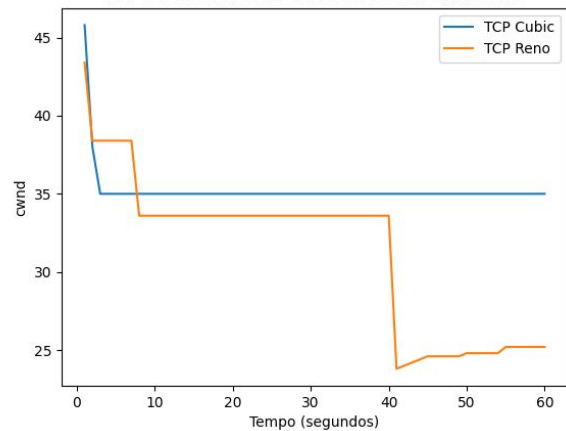
TCP Cubic e TCP Reno 1 Processo Latência 20ms



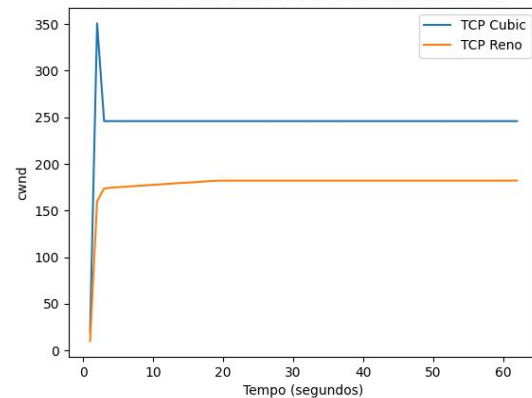
TCP Cubic e TCP Reno 1 Processo Latência 220ms



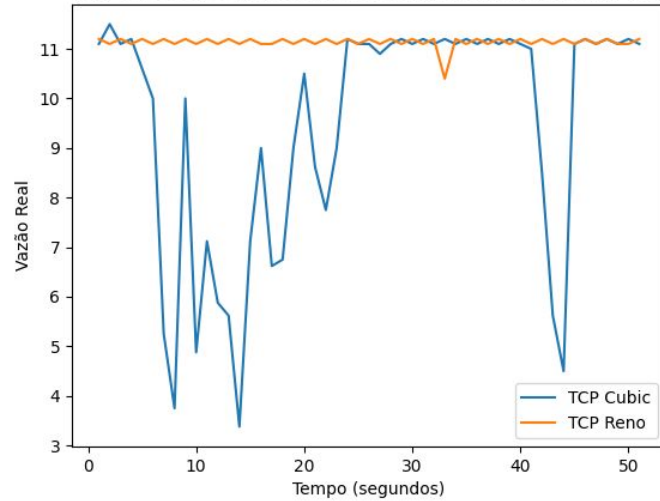
TCP Cubic e TCP Reno 5 Processos Latência 20ms



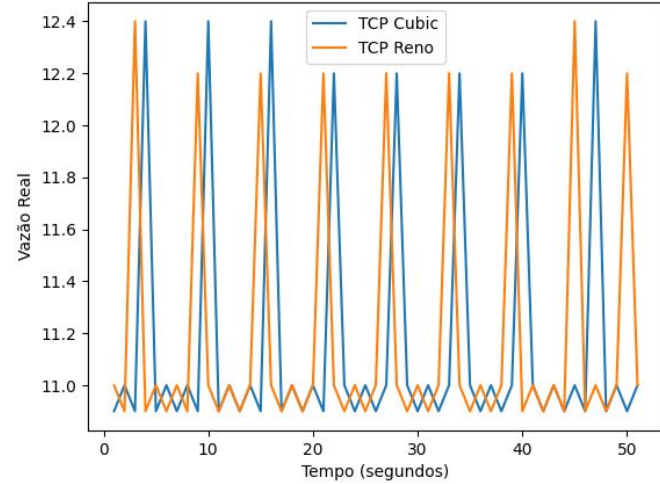
TCP Cubic e TCP Reno 10 Processos Latência 220ms



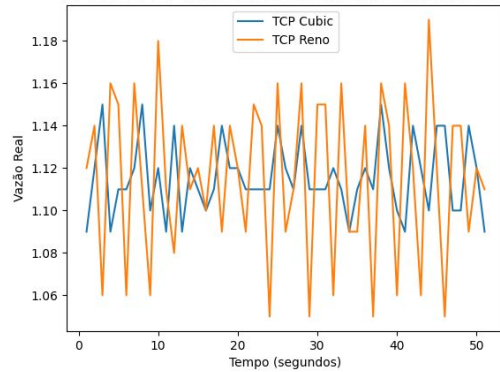
TCP Cubic e TCP Reno 1 Processo Latência 20ms Vazão real



TCP Cubic e TCP Reno 1 Processo Latência 220ms Vazão real



TCP Cubic e TCP Reno 10 Processos Latência 20ms Vazão real



TCP Cubic e TCP Reno 5 Processos Latência 220ms Vazão real

